

Semih Chelik

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EDUCATION

University of Waterloo

Sep 2020 – Apr 2025

Bachelor's of Computer Science, Co-op, CGPA: 3.6

Waterloo, ON

Relevant courses: Data Structures and Algorithms, OOP Development, Operating Systems, Application Dev

EXPERIENCE

Software Engineer Intern

Jun 2023 – Aug 2023

Wayfair - Accepted return offer

Boston, USA

Software Engineer Intern

Jun 2022 – Aug 2022

Wayfair

Boston, USA

- Designed and developed REST APIs using C#, .NET and collaborated with cross-functional teams to ensure business logic alignment.
- Enhanced monitoring capabilities by adding Datadog charts **to 2 microservices**, resulting in improved tracking of user requests during Wayfair Sale Day (Wayday) and logging of failed user requests for faster issue resolution and better customer experience.
- Improved code quality by **fixing over 1000+ linting errors** in legacy microservices with .NET code analyzers and implementing new linting rules, resulting in increased code readability and maintainability.
- Enhanced build process efficiency by integrating Buildkite **into 4 microservices**, providing real-time visualization of unit and integration test results for faster debugging and deployment.

Full Stack Developer Intern

Jan 2022 – Apr 2022

PointClickCare

Mississauga, ON

- Created backend APIs using the Java Spring Boot framework for multiple microservices and developed intuitive React UI components with Material-UI for improved dashboard functionality.
- Utilized TypeScript and React hooks to design and implement dashboard components and an ingestion scheduler.
- Wrote and executed end-to-end tests using JUnit and Jest, resulting in increased test coverage **from 74% to 96%**.
- Refactored over **8 legacy APIs** and wrote SQL scripts to accommodate nextgen ingester, allowing other teams to schedule table ingestion on the dashboard without manual intervention.

Software Engineering Intern

May 2021 – Aug 2021

University of Waterloo

Waterloo, ON

- Collaborated with a team of 4 interns and RBC to leverage Azure AI for fraud prevention and financial education.
- Rapidly developed a working **MVP in 2 weeks** utilizing React, Material-UI, and Google OAuth for the frontend, and Express.js for the backend.
- Designed and deployed high-volume controller and service layer APIs utilizing Azure Cognitive Services and the Finnhub API, capable of handling up to **60 requests per second**.
- Acquired Azure Fundamentals (Az-900) and Azure AI Fundamentals (AI-900) certificates.

PROJECTS

Relaxing 404 page (Chrome Extension) | *JavaScript, NodeJS, Express, Unsplash API, Heroku*

- Designed, developed, and published a Chrome extension in **under 24 hours** that enhances user experience by displaying visually stunning images from Unsplash on 404 error pages.
- Published the extension on the Chrome Web Store and deployed it on Heroku, resulting in **50 downloads**, 200 impressions, and a 5-star user review.

Varila | *React, Redux, Express, Material-UI, Quill, Socket.io, JWT, MongoDB atlas, AWS EC2*

- Built a MERN full-stack app that enables real-time collaboration on documents using Quill and Socket.io

JRE Clips Bot | *Python, MoviePy, YouTube API, Bing Search API, Pillow, Docker*

- Developed a Python bot to automate creation of JRE-style clips for my long form YT content to **save 2+ hours**.

Holo | *Next.js, React, Tailwind-CSS, TMDB API, Vercel*

- Built a Hulu clone with Next.js for server-side rendering, TMDB API for movie data and hosted on Vercel.

TECHNICAL SKILLS

Languages: Java, JavaScript, C/C++/C#, TypeScript, Kotlin, Python, SQL, HTML/CSS

Tools/Technologies: React/Redux, SpringBoot, .NET, Node.js, Express, MySQL, MongoDB, Git/GitHub, AWS